

# SENSOR LIGHTING SOLUTIONS



Leading you towards a smart life

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# WELCOME TO A SMARTERWORLD

TOP-NOTCH SMART SOLUTIONS BY CPL INDIA







WIRELESS SWITCHES
SMART DOOR LOCK
PEARL

**TULIP SMART LIGHTS** 

SENSOR LED TUBE LIGHTS
SENSOR STREET LIGHTS
SENSOR PANEL LIGHTS

MICROWAVE MOTION SENSORS

**PIR MOTION SENSORS** 

DAYLIGHT CONTROL SENSORS(PHOTOCELL)

WARDROBE / CABINET SENSORS

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We make your home smarter by providing you with the ability to control items around the house with a simple push of a button or a voice command.

We aim to provide complete comfort and convenience to users by enabling them to manage every device and control it through a smartphone app.

### **Smart Energy Savings**

Our sensors can participate in a new kind of digital ecosystem, in which they can be managed intelligently to save energy within a building or even within a city.



#### CPL India Sensor Lights





#### **TULIP (On/Off or Dimmable Feature)**

A perfect smart light for parking areas, staircases as well as corridors. Available in 18W/12W LED light which will automatically dim down to 3W if no motion is detected.











Fitting Type:	Surface Mounted	Lumens:	110 Lumens / Watt	
Power Consumption:			6500K, 4000K, 3000K	
	brightness) and 2.5 to 3.6 Watts when dim.	Power Factor:	>0.95	
Operating Description:	Stays on as long as motion is detected,	CRI:	75-80 Ra*	
operating Description	then goes to standby mode after 30 seconds of no movement. Sensor range is up to approx 8 m.	LED:	2835 0.2 Watt Bridgelux/Everlight LED	
		Light Output:	1980 Lumen & 1320 Lumen	
Voltage:	220-240 V AC 50Hz	Dimmable:	Yes	

#### CPL India Sensor Lights



#### **TULIP-SENSOR LIGHT WALL MOUNT**

A perfect smart light for parking areas, staircases as well as corridors. Available in 18W/12W LED light which will automatically dim down to 3W if no motion is detected.











Fitting Type:	Wall Mount
Supply Voltage:	220-240 V AC
Colour Temperature:	6500K, 4000K, 3000K
Dimmable Percentage:	20%
Detection Range:	180°
Detection Distance:	8 Meters
Installation Height:	Upto 3.5 Meters
IP Rating:	IP54

## Sensinova Sensor Lights

### **Shine-Bright Tubelight (T5 & T8)**

A perfect smart light for parking areas and staircases as well as corridors. Available in 18W/12W LED light which will automatically dim down to 3W if no motion is detected









Fitting Type:	Surface Mounted
Power Consumption:	18 Watts/12 Watts (when on at full brightness) and 3.6 Watts when dim.
Operating Description:	Stays on as long as motion is detected, then goes to standby mode after 30 seconds of no movement. Sensor range is up to approx 8 m.
Voltage:	220-240V AC 50Hz

Lifetime:	Up to 35,000+ Hours
Colour Temperature:	6500K, 4000K, 3000K
Beam Angle:	150°
Light Output:	1980Lumen
Dimensions:	1198mm X 26mm (4ft)
Dimmable:	Yes

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## **Meaning of symbols**



Save energy automatically by turning lights on/off/dim/bright as needed



Automatically on and off feature



**Lux** is a unit used to measure the intensity of light hitting a surface, typically a wall or floor in a lighting design



**Time delay** determines for how long the output of the sensor will remain high after motion detection



They are used to define levels of sealing effectiveness of electrical enclosures against intrusion from foreign bodies (tools, dirt etc) and moisture



Life expectancy of a product



Detection distance of sensor



Dims down automatically when no motion is detected

#### Smart Home Automation Devices





#### **Smart Curtain**

Designed to fit all kinds of blinds and curtains, Smart Curtain Motor by Sensinova opens up new possibilities for a sleek style, easy living and home comfort.



















#### Smart Home Automation Devices





#### **SN-LoSMART5** (Smart Door Lock)

If you're thinking about upgrading your home security, Smart Door Lock makes the obvious starting point. Whether your hands are full of groceries or you frequently lose your keys, Smart Door Lock allows you to enter your house without breaking your stride.









Unlock







Industry



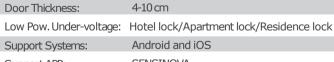
Offices











Support APP: **SENSINOVA** 

Alarm: Hijack Alarm, Intrusion Alarm, Low Battery Alarm, Door Bell Alert

- Add or Delete User/Change Pass-code/Login/Remote Control
- Support the Physical Key for Backup

Batteries: 4\* AA Battery, USB Port Emergency Charging Upto 15,000 Hours Battery Life: Support: Left open/Right open



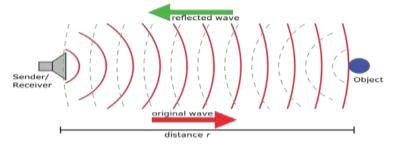
#### .Area of application

Microwave Motion Sensors can be used for a wide variety of applications at residential as well as commercial locations like

- Complexes
- Malls and Offices
- Cold storages
- Industrial Warehouse
- Manufacturing facilities
- Parking areas
- Fire Exits
- Lifts
- Lobby and Passages
- Washrooms and Store rooms
- Bus stations, Railway stations and Airports
- Hotels and Hospitals
- Corporate offices and malls

#### How does a Microwave Motion Sensor work?





A Microwave Motion Sensor emits waves in the detection area. These waves get reflected back to the receiver when they bounce off a surface. The receiver constantly analyzes the waves that are bounced back. If there is an object/individual moving in the room, these waves are going to be altered and so when the sensor identifies this motion, it automatically sends the signal for initiating the programmed command like opening doors, switching on lights or to sound an alarm.

# **Benefits of using Microwave Motion Sensors**

- Microwave sensors can cut a substantial amount of energy wastage by turning off lights automatically when the area is unoccupied.
- Activated by minimum motion & speed.
- Gives stable performance at temperatures as low as -20°C and as high as 55°C
- Motion can be detected through plastic, glass, false ceilings & thin non-metal materials.
- They have wide coverage range.

#### Mircowave Sensor

Power Consumption:

Detection Motion

Speed:









NANO 16	
(Ceiling Mounted - 360°	
Detection)	

	(Celling Mounted - 360°	(waii/ Celling M
	Detection)	
Power Source:	220-240V/AC	220V-240V/AC
Power Frequency:	50 Hz	50Hz
HF System:	5.8Ghz CW Radar, ISM Band	5.8Ghz CW Radar,
Transmission Power:	0.2 mW	0.2mW
Time Delay:	Min. 10 sec +/- 3 sec, Max. 12 Min +/- 1 min	Min. 10 sec +/- 3 sec
Rated Load:	800W (Incandescent), 300W (LED Load)	1200W (Incandesce
Detection Range:	360°	360°
Detection Distance:	2-16m (radius), Adjustable	Wall: 5-15m (adjust adjustable
Ambient Light:	<3-2000LUX	3-2000LUX
No. of Wires:	4	4
Install Height:	2-6m	2-6m

#### **SN-MW700 C NOVA 4T**

(Wall / Ceiling Mounted - 360°)	(Wall / Ceiling Mounted - 180° / 360°)
220V-240V/AC	220-240V/AC
50Hz	50/60Hz
5.8Ghz CW Radar, ISM Band	5.8GHz CW radar, ISM band
0.2mW	<0.2mW
Min. 10 sec +/- 3 sec, Max. 12 Min +/- 1 min	Min. 10Sec±3Sec, Max. 12Min±1Min
1200W (Incandescent), 300W (LED Load)	2000W (Incandescent), 1000W (LED LOAD)
360°	360°
Wall: 5-15m (adjustable), Celling: 1-8m (radius), adjustable	1-8m (radius), Adjustable
3-2000LUX	<3-2000LUX
4	4
2-6m	2-6m
Approx 0.9W	Approx 0.9W
0.6-1.5m/s	0.6-1.5m/s





Approx 0.9W

0.6-1.5m/s















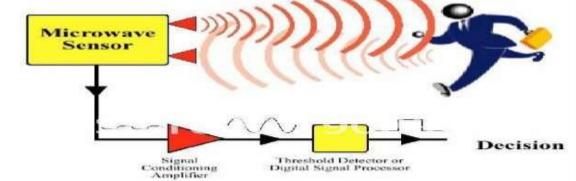












#### Mircowave Sensor

Power Source:

HF System:

Time Delay:

Rated Load:

Detection Range:

Ambient Light:

No. of Wires:

Install Height:

Detection Distance:

Power Consumption:

Detection Motion Speed:

Power Frequency:

Transmission Power:







Detection)

220/240V/AC

5.8GHz CW radar, ISM band

1-8m (radius), Adjustable

Min. 10Sec±3Sec, Max. 12Min±1Min

1200W(Incandescent), 300W (LED Load)

50Hz

360°

3

1.5-3.5m

<3-2000LUX

Approx 0.9W

0.6-1.5m/s

<0.2mW



IP65)

·
220/240V/AC
50Hz
5.8GHz CW radar, ISM band
0.2mW
Min. 10Sec±3Sec, Max. 12Min±1Min
1200W(Incandescent), 300W (LED Load)
180°
5-12m (Adjustable)
<3-2000LUX
3
1.5-3.5m
Approx 0.9W
0.6-1.5m/s



SN-MW759D (Highbay Sensor - 360° with 1-10v Dimmina)

Power Source: 120-277V/AC Power Frequency: 50Hz Detection Angle: 360° Detection Range: 50%, 100%(choice) Daylight sensor: 2lux, 10lux, 50lux, 2000lux (choice) Detection Distance: 4-10m (radius), adjustable HF System: 5.8GHz CW radar, ISM band Transmission Power: 0.2mW Power Consumption: approx 0.9W Hold Time: 5sec, 30sec, 90 sec, 3min, 5 min, 10min, 20min, 30min

Installing Height: 4-15m Detection Motion Speed: 0.6-1.5m/s

Stand-by Period: 10s, 1min, 5min, 10min, 30min, 60min, +∞, 0s (choice)

Rated Load: Max.1200W (220-277V/AC), 800W (120V/AC),

800W (220-277V/AC), 400W (120V/AC)

Stand-by DIM Level: 10%, 20%, 30%, 50% (choice)





3- 2000LUX











ENERGY SAVING







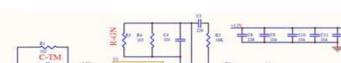


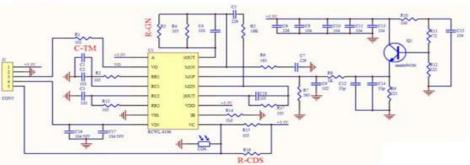




















# Passive Infrared Sensor

adopt a good sensitivity detector and an integrated circuit. This sensor gathers automatism, convenience, safety, energy-saving, and practical functions. It utilizes the infrared energy from the human body as a control signal source, and it can start the load at once when one enters the detection field. It can automatically identify day and night and is easy to install and a widely used product.

## **Area of application**

PIR Motion Sensors can be used for a wide variety of applications at residential as well as commercial locations like complexes, malls and offices They can be used for :

- Hospitals/Clinics
- Institutes/Schools/ Colleges/Universities
- Hostels/PG
- Transport: Railways/Airport/Bus Stand
- Corporate Offices/Government Offices
- Hotels
- Warehouses
- Manufacturing Companies
- Shopping Malls

#### **PIR Sensors**





IRIS S20





	(Sensor for Corridor /	(Occupancy Sensor -	IRIS F20R
	Passages 20mx4m Detection)	360° Ceiling Mount)	
Power Source:	220-240V/AC	220-240V/AC	220-240V/AC
Power Frequency:	50/60Hz	50Hz	50Hz
Detection Range:	360∘	360∘	360∘
Ditection Distance:	14mx20m max(<24°C)	20m max(<24°C)	20m max(<24°C)
Ambient Light:	<3-2000LUX (Adjustable)	<3-2000LUX (Adjustable)	<3-2000LUX (Adjustable)
Hold Time:	Min. 10Sec±3Sec, 30Min±2min	Min. 10Sec±3Sec, 30Min±2min	Min. 10Sec±3Sec, 30Min±2min
Working Temprature:	-20°C∼+40°C	-20°C~+40°C	-20°C~+40°C
Working Humidity:	<93%RH	<93%RH	<93%RH
Power Consumption:	Approx 0.9W	Approx 0.5W	Approx 0.9W
Rated Load:	2000W (Incandescent), 1000W (LED LOAD	2000W (Incandescent), 500W (LED LOAD)	2000W (Incandescent), 500W (LED LOAD)
Installation Height:	4-10m	2-6m	2.2-6m

0.6-1.5m/s





0.6-1.5m/s



IP65

















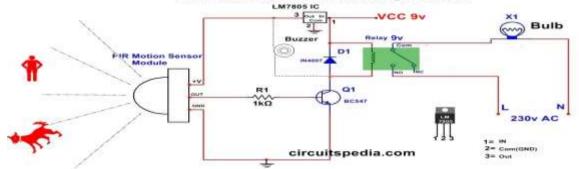
0.6-1.5m/s







#### 3-2000LUX PIR Motion Sensor Detected Light Switch



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**Detection Moving** 

Speed:

#### Wardrobe/Cabinet/Closet Sensors





SN-AIRS06 (Single Door - DC12V)



SN-DDIR06 (Double Door - DC12V)



SN-PR123 (Single Door - 230V AC)



SN-PR122 (Hand Waving - 230V AC)



SN-DOWA60 (Dual Mode on/off &Waving DC - 12V)

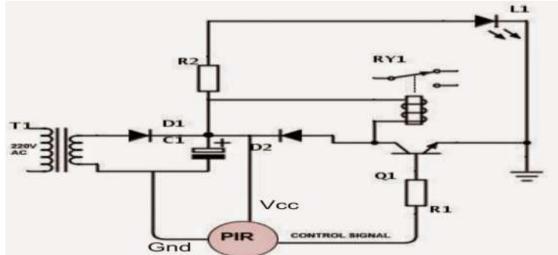














#### Light Control Sensors



Sensor lights are equipped with dimmable as well as on/off functions.

#### Benefits of Using Light Control Sensors

- · Saves energy
- Pocket-friendly
- · Low power consumption
- Automatically switches on/off based on Natural light
- More efficient than timer devices

#### Area of Application

- Townships
- Industrial streetlights and floodlights
- Signage boards
- Garden Lights
- Street Lights Under Nagar Nigam Yojana

CORCUITS DIY

# **Automatic Day Night Switch**

